



## THERMAL PROPERTIES \*\*\*

■ Low temperature tests	Unit	Typical value	Test method
Elongation at break at -55°C (100-150 kGy)	%	> <b>30</b>	IEC 60811-505
■ Hot set test at 200°C / 15min / 0,2MPa	Unit	Typical value	Test method
Elongation under load	%	<b>30</b>	IEC 60811-507
Residual elongation	%	< <b>10</b>	IEC 60811-507

## ELECTRICAL PROPERTIES\*

■ Major electrical properties	Unit	Typical value	Test method
Volume resistivity	Ω cm	<b>10<sup>15</sup></b>	ASTM D 257
Dielectric strength	kV/mm	<b>25</b>	ASTM D 149
Dielectric constant at 50Hz 20°C	-	<b>2.9</b>	ASTM D 150

## BURNING PROPERTIES\*

■ Main burning properties	Unit	Typical value	Test method
LOI	%	<b>27</b>	ASTM D 2863 A
UL	-	<b>Pass</b>	UL 224

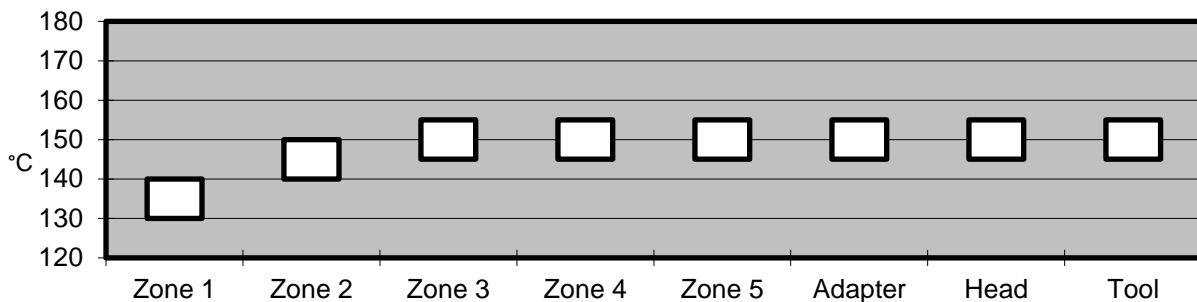
\* pressed plaques

\*\* extruded tapes

\*\*\* cross-linked plaques or tapes

## PROCESSING GUIDE

<b>■ Screw configuration</b>	Barrier type screw (BM) having high flights and a L/D-ratio > 24:1
<b>■ Screw cooling</b>	For high line speeds, cooling the screw to around 80°C can be very effective although this could lead to pulsation
<b>■ Screen pack</b>	40/60/80/40 mesh
<b>■ Extrusion dies</b>	Pressure or tube. For pressure extrusion, normal dies are recommended.
<b>■ Die opening</b>	Die opening approximately slightly below the required OD of the wire.
<b>■ Temperature profile extruder</b>	The profile shown below may vary slightly depending on extruder type, head design & output.



<b>■ Maximum mass temperature</b>	170°C
<b>■ Conductor pre-heating</b>	Preheating not required, but may positively influence elongation at break
<b>■ Wire/conductor</b>	Bare copper / Tin-coated
<b>■ Quenching</b>	Warm water in the first cooling section (60-80°C)
<b>■ Drying</b>	Pre-dry at 60°C during 4 hrs.
<b>■ Recommended colour master batches</b>	Well dispersed EVA master batch 0,5-1,0%. For black jacket applications, UV resistance can be obtained by adding a higher level of master batch depending on requirements and type of carbon black master batch used.

## CROSS-LINKING INFORMATION

<b>■ Recommended radiation dose</b>	100-150 kGy
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## STORAGE INFORMATION

<b>■ Form &amp; packaging</b>	Pellets in sizes 2.8mm & 5.5mm Moisture-resistant bags (25kg) & octabins (alu-innerliner, max. 1250kg)
<b>■ Shelf life</b>	1 year after production

Note: The information given in this datasheet is believed to be accurate and reliable. However, no warranty, express or implied, or guarantee is given as to the suitability, accuracy, reliability or completeness of the information. This information does not hold us liable for damages or penalties resulting from following our suggestions or recommendations.

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