

Mextron is a masterbatch of super high viscosity proprietary lubricant on carrier. It is employed in the halogen-free compounds as a processing aid, homogeneity & trough output improver, flame retardant synergist (L.O.I.) and smoke suppressant. It improves abrasion resistance & mechanical properties. It also functions as a slipping- and releasing agent during the extrusion of cables. It reduces the melt viscosity when used in the compounding process with benefits for the through-output, stability and compound homogeneity. It improves the surface quality of the finished goods. It decreases the scraps, surface defects and eliminates die droll problems. It shows better behavior in CPR & dispersion, smoother surface, higher elongation at break, filler loading and extrusion speed. Mextron is used in PPO, PET, PE, PP, ABS, SAN, PS, PMMA, PC, PA, PBT, EVA, SBS, SESB, TPU, TPV, TPO, TPA compounds and in many rubber and thermoplastic applications. The recommended dosage level in the composition is 0.5÷1%.

<b>PROPERTIES</b>	<b>Method</b>	<b>Unit</b>	<b>Typical Values</b>
<b><i>PHYSICAL</i></b>			
Melt Density	internal	g/ml (g/cm <sup>3</sup> )	<b>0,90</b>
Apparence	-	-	<b>Pellets</b>
Viscosity	DIN 53019	mPa's	<b>5500÷7000</b>
<b><i>MECHANICAL</i></b>			
Tensile strength	ASTM D412-C	MPa	<b>6</b>
Elongation	ASTM D412-C	%	<b>900</b>
Tera strenght	ASTM D 624-C	MPa	<b>&gt; 20</b>
IZOD Impact strength, notched ( 23°C)	ISO 180	KJ/m <sup>2</sup>	<b>NB</b>
<b><i>THERMAL</i></b>			
Melting temperature, 10°C/min	ISO 11357-1/-3	°C	<b>145</b>
Glass transition temperature, 10°C/min	ISO 11357-1/-2	°C	<b>-65</b>
Decomposition 3k/min (DSC)	Internal	°C	<b>320</b>
<b><i>PROCESSING CONDITIONS</i></b>			
Cylinder temperature	-	°C	<b>145 ÷ 270</b>
Dosification	-	-	<b>0,1 ÷ 0,5</b>