

PLEXCHEM TECHNOLOGIES



Grade		PLEXLENE 2035 H		
Description		Thermoplastic, halogen free, low smoke flame retardant.		
Application		sheathing compound for cable.		
Characteristics		Meet international specifications for halogen free Flame retardant cable. Excellent processing characteristics, good mechanical properties in combination with good flame retardant performance.		
Material Designation		BS 6724		
Mechanical Properties	Test Method	Unit	Specification	Typical Value**
Tensile Strength (50 <i>mm/min</i>)	IEC 60811-1-1	N/mm ²	> 10.5	11-12
Elongation at Break (50 mm/mln)	IEC 60811-1-1	%	> 100	200
Fire and Smoke Test Properties	Test Method	Unit	Specification	Typical Value**
Flame Retardant Test (Vertical Burning) Conductor size 16mm OD cable * 7.4mm Distance between: 1) Lower edge of top clamp & Onset of charred portion. 2) Lower edge of top clamp & downwards charred portion	IEC 60332-1	mm	>50	315
		mm	<540	500
Oxygen Index	ASTM D 2863	%	-	35
Corrosive and acid gas emission. Level of Halogen	IEC 60754-1	%	< 0.5	0
Acid Gas Emission pH conductivity	IEC 60754-2	μS/mm	> 4.3 <10	5.5 2
Smoke Light Transmittance	IEC 61034-2	%	-	> 60
Other Properties	Test Method	Unit	Specification	Typical Value**
Melt Index (21.6kgx150°C)	ASTM D 1238	g/10min	-	4-5
Durometer Hardness	ASTM D 2240	Shore D	-	54
Density	ASTM D 792	g/cm ³	-	1.46

* Data should not used for specification work

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Do you have the safety data sheet for this product? Please contact you service representative for one or E-mail us at: plexchem@plexchem.com.sg

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