

Terluran® SP-6

Acrylonitrile Butadiene Styrene

BASF Corporation

Product Description			
High impact grade, suitable for extrusion.			
General			
Material Status	• Commercial: Active		
Availability	• Europe		
Features	• High Impact Resistance		
Forms	• Pellets		
Processing Method	• Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1030	kg/m ³	ISO 1183 ²
Apparent Density	0.55 to 0.65	g/cm ³	ISO 60
Melt volume-flow rate (220°C/10.0 kg)	5.50	cm ³ /10min	ISO 1133 ²
Water Absorption			ISO 62 ²
Saturation	1.0	%	
Equilibrium	0.21	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile modulus	1700	MPa	ISO 527-2 ²
Tensile Stress (Yield)	37.0	MPa	ISO 527-2 ²
Tensile Strain (Yield)	3.0	%	ISO 527-2 ²
Nominal strain at break	9.0	%	ISO 527-2 ²
Flexural Strength (23°C)	56.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy notched impact strength			ISO 179/1eA ²
-30°C	13.0	kJ/m ²	
23°C	35.0	kJ/m ²	
Charpy impact strength			ISO 179/1eU ²
-30°C	140	kJ/m ²	
23°C	No Break		
Notched Izod Impact			
23°C	410	J/m	ASTM D256A
-30°C	14.0	kJ/m ²	ISO 180/A
23°C	36.0	kJ/m ²	ISO 180/A
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	84		ISO 2039-2
Ball Indentation Hardness (H 358/30)	74.0	MPa	ISO 2039-1
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ISO 75-2 ²
0.45 MPa	101	°C	
1.8 MPa	96.0	°C	
Vicat Softening Temperature			
--	103	°C	ISO 306/A50
50°C/h, B (50N)	90.0	°C	ISO 306 ²
CLTE - Flow (23 to 80°C)	0.000080 to 0.00011	cm/cm/°C	ISO 11359-2
Thermal Conductivity	0.17	W/m/K	DIN 52612
Maximum Service Temperature			
Short Cycle Operation	80	°C	

Dongguan Yi-Ming Plastic Chemical Co., Ltd.

如需要更多物性资料请查阅 www.kedisujiao.com

备注：以上原料物性数据由IDES发布,我公司仅提供参考！数据如有变动，请联系原料生产厂家获知。我公司不承担任何法律责任！

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Friday, December 25, 2009

Electrical	Nominal Value	Unit	Test Method
Volume resistivity	> 1.0E+13	ohm·m	IEC 60093 ²
Relative Permittivity			IEC 60250 ²
100 Hz	2.90		
1 MHz	2.80		
Dissipation Factor			IEC 60250 ²
100 Hz	0.0054		
1 MHz	0.0082		
Comparative tracking index	600		IEC 60112 ²
Electric strength	40	kV/mm	IEC 60243-1 ²
Flammability	Nominal Value	Unit	Test Method
Flame Rating - UL (1.60 mm)	HB		UL 94
Extrusion	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	2.0 to 4.0	hr	
Melt Temperature	200 to 240	°C	

Notes

¹ Typical properties: these are not to be construed as specifications.

² Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.

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