

SKYPET® BR

Thermoplastic Polyester

SK Chemicals

Message:

SKYPET® BR is a Thermoplastic Polyester material. It is available in Asia Pacific, Europe, or North America for injection molding. Primary attribute of SKYPET® BR: Flame Rated.

General Information			
UL YellowCard	E215991-512548		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.33	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.30 to 0.50	%	ASTM D955
Water Absorption (24 hr)	< 0.30	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	116		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Yield	60.0	MPa	
Break	25.0	MPa	
Tensile Elongation ²			ASTM D638
Yield	4.1	%	
Break	120	%	
Flexural Modulus ³	2540	MPa	ASTM D790
Flexural Strength ⁴	83.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-40°C	32	J/m	
23°C	56	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	69.0	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (3.00 mm)	HB		UL 94
Optical	Nominal Value	Unit	Test Method
Transmittance	89.0	%	ASTM D1003
Haze	< 1.0	%	ASTM D1003
Fill Analysis	Nominal Value	Unit	Test Method
Melt Viscosity (275°C, 10000 sec ⁻¹)	67.9	Pa · s	Internal Method
NOTE			

1.	50 mm/min
2.	50 mm/min
3.	1.3 mm/min
4.	1.3 mm/min

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Recommended distributors for this material

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