

TARFLON™ SC-420

Polycarbonate + PET
Idemitsu Kosan Co., Ltd.

Message:
Chemical resistance, High strength

General Information			
Features	Good Chemical Resistance		
	High Strength		
UL File Number	E48268		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.21	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (280°C/2.16 kg)	8.00	cm ³ /10min	ISO 1133
Spiral Flow	47.0	cm	Internal Method
Molding Shrinkage			Internal Method
Across Flow : 2.00 mm	0.70 to 0.80	%	
Flow : 2.00 mm	0.70 to 0.80	%	
Water Absorption ¹ (Equilibrium, 23°C, 50% RH)	0.25	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	60.0	MPa	ISO 527-2
Nominal Tensile Strain at Break	100	%	ISO 527-2
Flexural Modulus	2200	MPa	ISO 178
Flexural Stress	80.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	70	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	109	°C	ISO 75-2/A
CLTE - Flow	7.0E-5	cm/cm/°C	ISO 11359-2
Additional Information	Nominal Value		
ISO Shortname	>PC+PET<		
Injection	Nominal Value	Unit	
Drying Temperature	120	°C	
Drying Time	5.0 to 8.0	hr	
Rear Temperature	260 to 280	°C	

Middle Temperature	260 to 280	°C
Front Temperature	260 to 280	°C
Mold Temperature	60.0 to 80.0	°C

NOTE

1.	24h
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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

