

POLYMAN® (PC) XP 41 R 10 GF

Polycarbonate
A. Schulman Europe

Message:
10% glass fibre reinforced PC grade

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 10% filler by weight		
Processing Method	Injection molding		
Resin ID (ISO 1043)	PC-GF		
Physical	Nominal Value	Unit	Test Method
Density	1.26	g/cm ³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (300°C/1.2 kg)	5.00	cm ³ /10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	130	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3800	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	85.0	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	4.0	%	ISO 527-2/1A/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	12	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	144	°C	ISO 75-2/Bf
1.8 MPa, not annealed	138	°C	ISO 75-2/ Af
Vicat Softening Temperature	150	°C	ISO 306/B50
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+15	ohms	IEC 60093
Volume Resistivity	> 1.0E+13	ohms · cm	IEC 60093
Comparative Tracking Index	175	V	IEC 60112
Additional Information			

- 1.)
- Not for use in food contact applications2.)
- Not for use in medical or pharmaceutical applications

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