LEXAN™ VISUALFX™ Resin FXD153 Europe

PC — Saudi Basic Industries Corporation (SABIC)

Product Texts

FXD153 is an Extrusion / Blow molding grade in a Diffusion effect, which is part of the VisualFX family. These effects have been developed to meet increasing Aesthetic demands in the Marketplace. Color Package may affect properties, Application testing always reccomended.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	**2.5**	g/10min	ASTM D 1238
Temperature	**300**	°C	-
Load	**1.2**	kg	-

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	**2340**	MPa	ASTM D 638
Tensile Strength at Yield	**62**	MPa	ASTM D 638
Tensile Strength at Break	**66**	MPa	ASTM D 638
Elongation at Yield	**7**	%	ASTM D 638
Elongation at Break	**110**	%	ASTM D 638
Flexural Modulus	**2340**	MPa	ASTM D 790
Izod Impact notched, 1/8 in	**748**	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	**3200**	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
Coefficient of Thermal Expansion, TD	**68**	E-6/K	ASTM D 696
DTUL @ 66 psi	**138**	°C	ASTM D 648
DTUL @ 264 psi	**132**	°C	ASTM D 648
Vicat Temperature	**157**	°C	ASTM D 1525

Other properties	Value	Unit	Test Standard
Density	**1200**	kg/m³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**120**	°C	-
Pre-drying - Time	**3 - 4**	h	-
Processing humidity	**≤0.02**	%	-
Melt temperature	**320 - 345**	°C	-
Mold temperature	**80 - 115**	°C	-
Zone 1	**300 - 320**	°C	-
Zone 2	**310 - 330**	°C	-
Zone 3	**320 - 345**	°C	-
Nozzle temperature	**315 - 340**	°C	-
Screw speed	**40 - 70**	rpm	-
Back pressure	**0.3 - 0.7**	MPa	-

Characteristics

Processing

Injection Molding, Other Extrusion, Blow Molding

Applications

Aircraft and Aerospace, Automotive, Electrical and Electronical

Features

Light Diffusing

Regional Availability

Europe