

## KEPITAL® F20-51U

a UV-stabilized and impact-improved medium-viscosity grade for general injection molding (black-colored) KEPITAL® F20-51U is a UV-stabilized and impact-improved medium-viscosity grade for general injection molding (black-colored). Suitable for uses requiring strong weather resistance. Developed for applications in automotive exteriors and exposed parts.

## Rheological properties

Rneological properties				
Moulding shrinkage, parallel		2.0	%	ISO 294-4, 2577
Typical mechanical properties				
Yield stress, 50mm/min		55	MPa	ISO 527-1/-2
Yield strain, 50mm/min		10	%	ISO 527-1/-2
Nominal strain at break		40	%	ISO 527-1/-2
Flexural Modulus		2250	MPa	ISO 178
Flexural Strength			MPa	ISO 178
Charpy notched impact strength, 23°C			kJ/m²	ISO 179/1eA
Poisson's ratio		0.471		
Thermal properties				
Melting temperature, 10°C/min	165	°C	ISO 11357-1/-3	
Temp. of deflection under load, 1.8 MI	89	°C	ISO 75-1/-2	
Coeff. of linear therm. expansion, parallel		130	E-6/K	ISO 11359-1/-2
Electrical properties				
Electric strength		19	kV/mm	IEC 60243-1
Other properties				
Humidity absorption, 2mm		0.2	%	Sim. to ISO 62
Density			kg/m³	ISO 1183
Other Approvals				
Other Approvals	OEM	Space	fication	Additional Information
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GMW22P-POM-C2P1

Black

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