

Technical Data Sheet

Softell TKG 2039N NA C12A19 Soul



Polypropylene Compounds

Product Description

Softell TKG 2039N NA C12A19 Soul is a 25% glass fiber reinforced PP copolymer, with high UV resistance, very good soft touch haptics, high flowability, high dimensional stability and very high scratch resistance. The product is available in different color matched, pellet form. Due to pigmentation, ash content may vary between 25 -30 %. Material shows low shrinkage and has a very low warpage tendency.

Application	Instrument Panels; Interior Trims
Market	Automotive
Processing Method	Injection Molding
Attribute	Good Dimensional Stability; Good UV Resistance; High Flow; Scratch Resistant; Soft

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	12	g/10 min	ISO 1133-1
Density, (23 °C)	1.08	g/cm ³	ISO 1183-1
Mechanical			
Flexural Modulus, (23 °C)	2900	MPa	ISO 178
Tensile Stress at Yield, (23 °C)	44	MPa	ISO 527-1, -2
Tensile Strain at Yield, (23 °C)	11	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C)	40	kJ/m ²	ISO 179
(-30 °C)	11	kJ/m ²	ISO 179
Thermal			
Deflection Temperature Under Load			
(0.45 MPa, Unannealed)	142	°C	ISO 75A-1, -2
(1.80 MPa, Unannealed)	96	°C	ISO 75B-1, -2
Additional Information			
Mold Shrinkage			ISO 294-4
Please contact LyondellBasell for shrinkage recommendations.			

