

PP-EPDM-TD20

GRADE : TITALON UP6411TCUV, COLOR NO. : VB02R (BLACK)

PRODUCT DESCRIPTION : POLYPROPYLENE FILLED 20% TALC, HIGH IMPACT, UV RESISTANCE,

APPLICATION: GRAINED PARTS.

Properties		Unit	method	Value
Density		g/cm ³	ISO 1183	1.02~1.04
Mold shrinkage		%	Titan method	0.75~1.0
Melt Flow Index (MFI)		g/10 min	ISO 1133	25~40
Hardness		Shore D	ISO 7619	58~65
Ultimate elongation		%	ISO527-1,2	>20
Tensile strength		MPa	ISO527-1,2	13~18
Flexural strength		MPa	ISO 178	18~25
Elasticity modulus under bending at 23°C		MPa	ISO 178	1600~1900
Charpy Impact	at 23°C	kJ/m ²	ISO 179/1eA	30~40
	at -30°C			4
Heat Deflection Temperature (HDT), 0.45MPa		°C	ISO 75-1,2	102
Flammability		class	UL 94	HB
Light and atmospheric agent resistance (1000 hours)		ΔE surface	ISO 4892-3	≤1 No cracks
Coefficient of Linear Thermal Expansion (CLTE)–Flow direction		10 ⁻⁵ mm/mm/°C	ISO11359-2	5.5~6.0
MOLDING CONDITION				
	°C	Drying	90 x 3hrs	
		Melt Temperature	180~220	
		Mold Temperature	30~80	
	%	Inject. Pressure	30~60	
		Inject. Velocity	20~50	

*All property values shown in this data sheet are the representative values and not minimum value of this material.