Shanghai PRET Composite Co., Ltd.

PRET Advanced Materials, LLC.

Technical Datasheet

Trade Name **Expond**	**Material Type** **PP/PE**	**Grade Name** **PP C6540L-4HX**

Feature	• High Rigidity • Impact Resistance • Excellent Comprehensive Performance
Appearance	• Colors Optional
Material Standard	• TL52452
Availability	• Asian-Pacific, America
Processing method	• Injection Molding
Applications	• Interior and Exterior Automotive parts

General Properties

No.	Properties	Unit	Result	Method	Test condition
1	Density	g/cm^3	0.92	DIN EN ISO 1183-1	23℃
2	Melt Flow Rate	g/10min	10	DIN EN ISO 1133-1	230℃×2.16kg
3	Tensile Strength at yield	MPa	25	DIN EN ISO 527-2	50 mm/min
4	Elongation at Yield	%	5.4	DIN EN ISO 527-2	50 mm/min
5	Flexural Modulus	MPa	1100	DIN EN ISO 178	2.0 mm/min, 40 mm
6	Flexural Strength	MPa	35	DIN EN ISO 178	2.0 mm/min, 40 mm
7	Notched Charpy Impact Strength	KJ/m^2	9	DIN EN ISO 179-1/1	23 ℃
8	Notched Charpy Impact Strength	KJ/m^2	3	DIN EN ISO 179-1/1	-30 ℃
9	Notched IZOD Impact Strength	KJ/m^2	8	ISO 180	23 ℃
10	Flammability (Burn Rate)	mm/min	45	TL 1010	
11	Vicat Softening Temp.	℃	147	DIN EN ISO 306	A50
12	Melting Temp.	℃	165.5	DSC	10 ℃ / min

Processing Conditions

Drying condition	• 80 - 100℃ 1-2h
Barrel Temp.	• 210 - 230 ℃ (F)， 200 - 220 ℃ (M)，180 - 200 ℃ (B)
Injection Speed	• Low to Medium
Injection Press.	• 50 – 80 Mpa
Back Press.	• 0.3 – 1.0 Mpa
Mold Temp.	• 20 - 60 ℃

Notes, These technical data in the product brochures are typical test results for reference, and could not be defined as minimum value.