

Reflective Grades

Properties	Test Method	Terms	Unit	For injection molding					For extrusion molding
					High flow grade	High shielding grade	High incombustibility grade	Glass-fiber reinforced grade	High incombustibility grade
				EHR3100	EHR3150	EHR3200	EHR3400	EHG2010R	EHR2400
Physical Properties									
Density	ISO 1183		g/cm ³	1.30	1.30	1.41	1.30	1.37	1.30
Rheological Properties									
Q Ratio	MEP	280°C	× 10 ⁻² cc/sec	20	46	22	15		3
MVR	ISO 1133	300°C, 1.2kgf	cm ³ /10min	22	43	24	18	13	4.4
Mechanical Properties									
Tensile modulus	ISO527		MPa	2700	2700	2700	2800	4100	2200
Yield stress			MPa	53	54	54	60		60
Yield strain			%	5	5	5	6		6
Nominal strain at break			%	55	13	12	61		126
Flexural modulus	ISO 178		MPa	2500	2600	2700	2700	3700	2600
Flexural strength			%	89	89	90	90	110	92
Charpy notched impact strength	ISO 179	23°C	kJ/m ²	37	9	13	43	4	64
Thermal Properties									
DTUL	ISO 75	1.8MPa	°C	120	117	122	125	129	128
Flammability	UL94		mm	1.5mm V-0	1.5mm V-0	1.0mm V-0	1.0mm V-0	1.5mmV-0	1.0mm V-0
光学的特性									
YI	(Company's method)	3mmt plate, Reflected light		2.3	4.1	2.2	3.1		3.1
Transmittance rate		3mmt plate, D65 light source	%	1.0	1.1	0.21	1.0		0.8
Reflection rate (400nm)		3mmt plate	%	33.5	35.2	39.3	42.5	40.0	45.0
Reflection rate (500nm)		D65 light source	%	96.6	94.9	96.6	96.6	91.0	95.7
Reflection rate (600nm)		10-degree visual field	%	96.7	95.9	96.8	97.4	90.9	96.4

The listed properties are portrayed as general information only and are not product specifications.