Reflective Grades

Properties	Test Method	Terms	Unit	For injection molding					For extrusion molding
				Standard	High flow grade	Optical shielding grade	Flame retardant grade	GF reinforced grade	Flame retardant grade
				EHR3100	EHR3150	EHR3200	EHR3400	EHG2010R2	EHR2400
Physical Properties									
Density	ISO 1183		g/cm^3	1.30	1.30	1.41	1.30	1.37	1.30
Rheological Properties									
Q value	In-house method	280℃	×10^{-2}ml/sec	20	46	22	15		3
MVR	ISO 1133	300℃, 1.2kgf	cm^3/10min	22	43	24	18	13	4
Mechanical Properties									
Tensile modulus	ISO 527		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 brake			%	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℃	kJ/m^2	37	9	13	43	4	64
Thermal Properties									
DTUL	ISO 75	1.8MPa	℃	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	1.5mm V-0	1.0mm V-0
Optical Properties									
YI	In-house method	E313, D65 (3mmt)	—	2.3	4.1	2.2	3.1		3.1
Transmittance		D65 (1mmt)	%	1.0	1.1	0.2	1.0		0.8
Reflectance（400nm）		D65, 10deg. standard (3mmt)	%	33.5	35.2	39.3	42.5	40.0	45.0
Reflectance（500nm）			%	96.6	94.9	96.6	96.6	91.0	95.7
Reflectance（600nm）			%	96.7	95.9	96.8	97.4	90.9	96.4

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