

## High Performance Olefinic Thermoplastic Elastomer/EXCELINK®

EXCELINK is Olefinic thermoplastic elastomer(TPO).

It is recyclable and environmentally friendly, and excellent moldability/productivity.

It enables to save weight of product which leads to cost reduction.

### 1000 series (Dynamic vulcanized type)

- Highly suitable for Injection Molding (High MFR & good moldability).
- Maintaining its performance through material recycling.
- Excellent long-term compression set.
- Wide range of hardness (Shore 30A - 80A).

Application example ; Automotive parts such as weather-sealing.

### 3000 series (Crystalline physical crosslinked type)

- Rubberly and high grip texture.
- Usable for various molding manner such as foaming, thanks to its high melt tension/elongation.

Application example ; foam sealing for shock absorption or dustproof, cushion for automotive interior, anti-slip sheet.

### 4000 series (Dynamic vulcanized type)

- Comparable or higher oil-resistance to general cured-rubber.
  - Usable for both injection and extrusion.
- Application example ; Grease sealing for industrial machine, Air duct hose for automotive.

Properties	Hardness (Shore A)	Density	Melt Mass - Flow Rate (190°C, 21N)	Melt Mass - Flow Rate (230°C, 21N)	Tensile Strength at 100%	Tensile Strength	Elongation at Break	Compression Set (70°C, 22hr)	
Unit	-	-	g/10min.	g/10min.	MPa	MPa	%	%	
Method	ISO 868	ISO 1183	ISO 1133	ISO 1133	ISO 37		ISO 815		
1000 series	1300B	33	0.88	20 (49N)	-	0.8	3.3	650	40
	1301B	38	0.89	50 (49N)	-	1.0	3.2	550	33
	1303B	38	0.88	-	2.0	1.0	3.0	550	43
	1309B	36	0.88	8.0	-	0.9	3.5	500	26
	1404B	45	0.89	-	3.0	1.2	3.3	550	47
	1406B	43	0.88	-	13	1.1	3.5	550	41
	1504B	54	0.89	-	1.5	1.5	4.5	550	43
	1600B	65	0.88	-	4.0	2.0	6.0	600	50
	1601B	60	0.88	-	12	1.8	4.5	600	46
	1700B	72	0.88	4.0	-	2.4	7.5	650	51
	1703B	72	0.89	2.0	-	2.5	7.0	650	54
	1800B	79	0.89	-	20	3.2	9.0	650	60
	1805B	79	0.89	-	20	3.1	8.0	650	57
	1810B	79	0.89	-	55	3.1	7.5	650	55
1902B	94	0.90	20	-	6.5	12.5	550	79	
3000 series	3400B	38	0.88	-	8.0	0.9	>2.0	>1000	41
4000 series	4700B	83	1.04	-	10 (49N)	5.7	7.8	180	42

※This data is representative of physical properties. It is not a product specification.