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Product Information S.O.E.™

1 October, 2010

Table of S.O.E.™ Grades and Properties

S.O.E.™ Grades and Properties								
Grade No.				S1611	L604	L605	L606	L609
				Commercial Grade	Trial Grade			
Property	Test method	Test condition	Units	Non-oil extended	Non-oil extended			
Peak temp. of tanδ				9°C	15°C	15°C	-13°C	19°C
Density	ISO 1183	-	g/cm ³	1.02	0.99	1.00	0.96	1.00
MFR	ISO1133	230°C, 2.16kgf	g/10min	-	4.5	3.5	2.9	-
		190°C, 2.16kgf	g/10min	5.4	-	-	-	2.5
Hardness (sec.)	ISO 7619	Durometer Type A	-	71°	75°	87°	67°	-
Hardness (after 10 sec.)	ISO 7619	Durometer Type A	-	54°	64°	67°	62°	61°
100% tensile stress	ISO 37	Dumbbell: Type A	MPa	2.0	-	3.5	1.8	2.0
200% tensile stress			MPa	-	-	6.8	2.5	-
300% tensile stress			MPa	4.0	11.9	12.6	3.6	4.0
Tensile strength			MPa	23.0	34.5	32.3	20.0	26.0
Elongation			%	600	390	460	490	640
Dunlop rebound resilience	BS 903	23°C	%	5	-	4	65	5
Product form				Pellet	Pellet	Pellet	Pellet	Pellet

Please note that all data and values are given as typical results obtained with the indicated test methods for purposes of basic reference in grade selection only, and not as any product specification or warranty of any nature, and are subject to change without notice.

Note: Products shown above are trial grades under development. Thus, their specifications may be changed without notice, and they may not be commercialized

*Trial grade S.O.E.™ L611 has been commercialized and the grade name has been changed to S.O.E.™ S1611 as of October 2010.